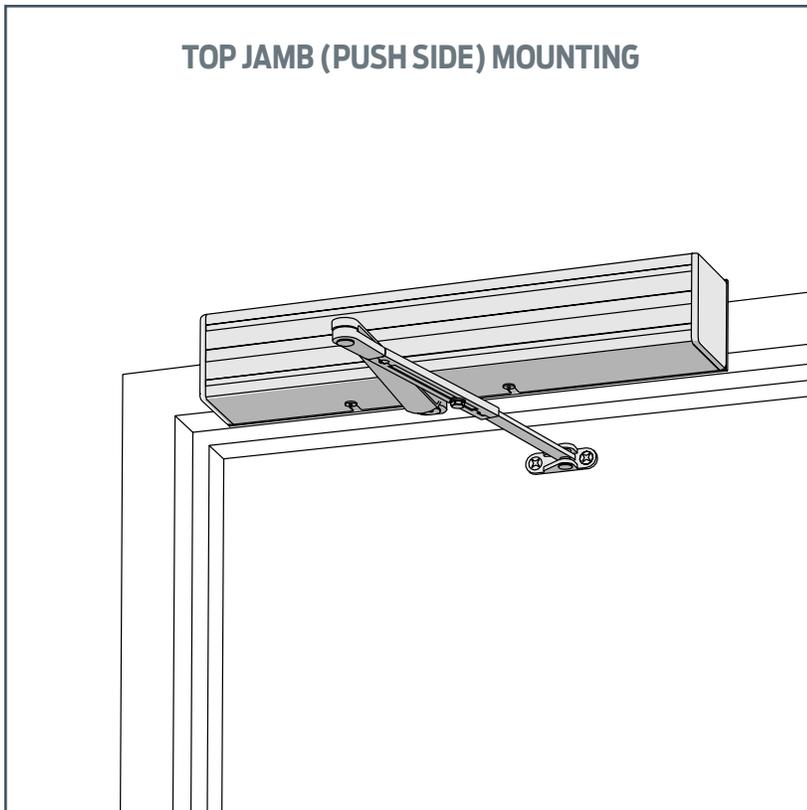


4820 SERIES

TOP JAMB (PUSH SIDE) MOUNTING

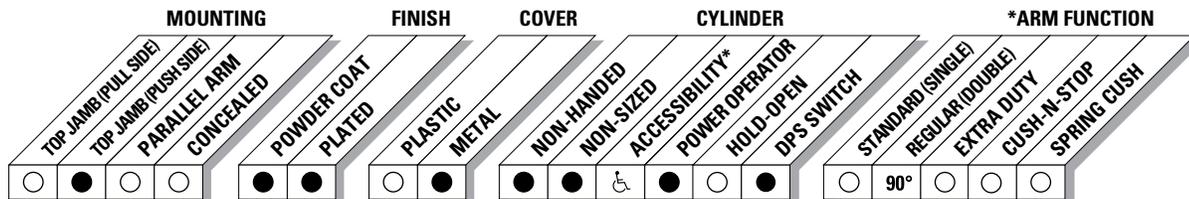


The 4820 AUTO EQUALIZER™ is LCN's pneumatically powered MULTI-DOOR solution. This low-energy automatic operator provides easy access for people with disabilities, or the elderly. Designed primarily for manual opening applications that occasionally require automatic opening.

- Multi-Door Solution.
- Utilizes a 10,000,000 Cycle Heavy Duty Door Closer.
- Quiet, Efficient & Reliable.
- Requires Control Boxes with integral compressor or control box using auxiliary air supply.
- Guard Rails/Safety Mats not required.

- Ideal for multi-door applications since cost per door leaf decrease significantly as the number of door leaves increases.
- Standard, plate mounted 4820 Series closer shipped with regular arm, metal cover, and wood and machine screw pack. See 4820 Series page 20 for options.
- Meets ADA requirements (power mode).
- Non-sized cylinders for interior doors to 4' 6" and exterior doors to 3' 6".
- Non-handed.
- Requires additional system components. See CONTROL BOX pages 27-29 and ACTUATORS & ACCESSORIES, pages 122-137.
- Standard or optional custom powder coat finish, end caps are black.
- Optional plated finish on cover, arm, and fasteners.
- Optional Door Position Switch (DPS) kit that signals when the door has reached the open position.

The 4820 Series is UL and cUL228 listed and meets the provisions of ANSI Standards A117.1, A156.19, and the Americans with Disabilities Act.



● AVAILABLE
○ NOT AVAILABLE

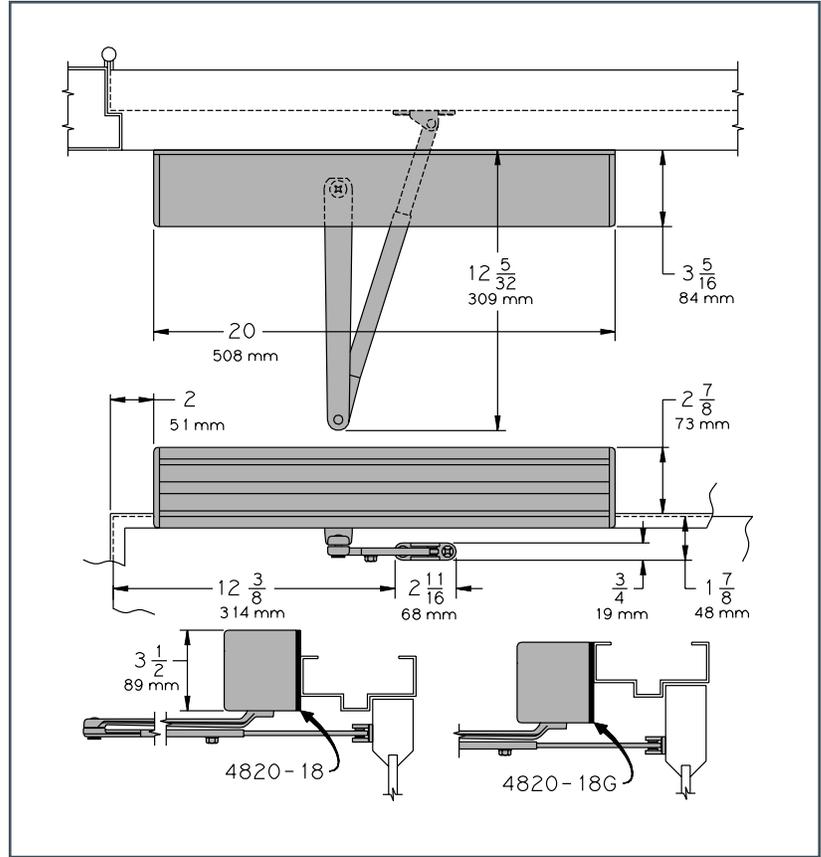
♿ Meets ADA requirements (power mode).
* See individual series for maximum manual opening.

4820 SERIES

TOP JAMB (PUSH SIDE) MOUNTING

MAXIMUM OPENING

Templating allows 90° power opening and 100° manual opening.



- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Auxiliary Stop** is recommended.
- **Reveal** of 4-1/2" (114 mm) allows up to 90° power opening and 100° manual opening. 8" (203 mm) allows up to 90° power opening and 100° manual opening with LONG ARM where standard rod and shoe is replaced with optional LONG ROD AND SHOE, 4820-79LR.
- **Head Frame** minimum 1-3/4" (44 mm).
With flush ceiling use PLATE, 4820-18G substituted for standard plate.
- **Top Rail** minimum 1-3/4" (44 mm).
Closer on 4820-18G plate requires 3" (76 mm) minimum.
- **System Diagram** See "AUTOMATIC OPERATORS" section pages 7-8 for typical system wiring, and pages 27-29 for electrical and pneumatic data for control boxes.

Options

- Long arm.
- 18G plate.

Special Templates

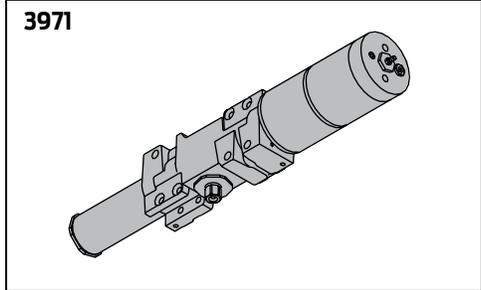
Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

4820 SERIES

CYLINDERS

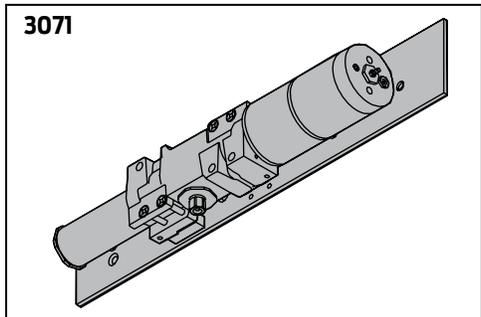
CYLINDER ONLY, 4822-3971

Standard, non-handed, cast iron cylinder.



CYLINDER ASSEMBLY, 4822-3071

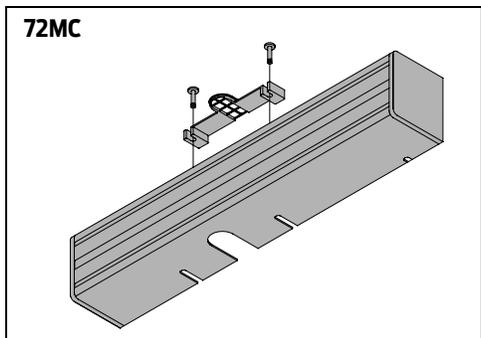
Standard, non-handed, cast iron cylinder.
Includes; 4820-18 Mounting Plate or 4820-18G Mounting Plate (must specify).



COVERS

COVER, 4820-72MC

Standard, non-handed metal cover with black end caps.



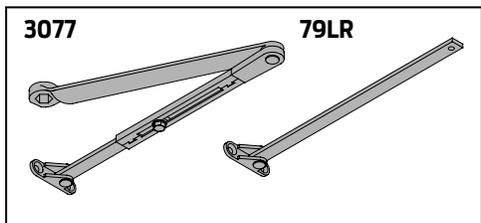
ARMS

REGULAR ARM, 4820-3077

Non-handed arm.

LONG ARM, 4820-3077L

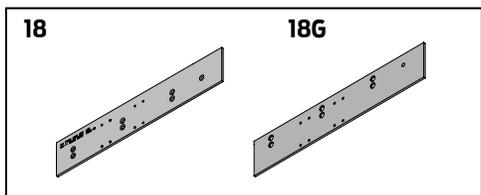
Arm includes LONG ROD AND SHOE, 4820-79LR for deep reveals.



INSTALLATION ACCESSORIES

PLATE, 4820-18

Standard mounting plate.
Plate requires minimum 1-3/4" (44 mm) minimum head frame and 2" (51 mm) top rail.

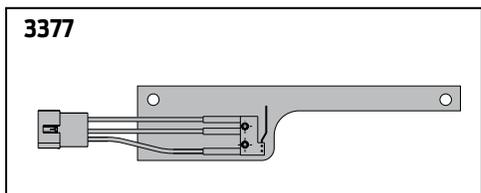


PLATE, 4820-18G

Replaces standard plate for flush ceiling condition.
Plate requires minimum 1-3/4" (44 mm) minimum head frame and 3" (76 mm) top rail.

DOOR POSITION SWITCH KIT, 4820-3377

Provides feedback when the door reaches the fully opened position.
Specifically RH or LH when ordering.



4820 SERIES

TABLE OF SIZES

Non-sized 4820 Series cylinder is adjustable from size 2 through size 5 and is shipped set to size 3. Closing power of 4820 Series closers may be increased 50%.

EXTERIOR (and VESTIBULE) DOOR WIDTH

	24" 610mm	30" 762mm	36" 914mm	42" 1067mm
		size 3	size 4	size 5
4822	→			
Minimum Door Width				

INTERIOR DOOR WIDTH

	24" 610mm	34" 864mm	38" 965mm	48" 1219mm	54" 1372mm
		size 2	size 3	size 4	size 5
4822	→				
Minimum Door Width					

→ Indicates recommended range of door width for closer size.

HOW-TO-ORDER 4820 SERIES CLOSERS

1. SPECIFY FINISH

- Standard Powder Coat _____
Aluminum, Dark Bronze, Statuary,
Light Bronze, Black, Brass.

Closer will be shipped with:

- STANDARD CYLINDER,
- STANDARD METAL COVER,
- REGULAR ARM,
- WOOD and MACHINE SCREW PACK,
unless options listed below are selected.

CLOSER OPTIONS

FINISH

- Custom Powder Coat (RAL)
- Plated Finish, US

ARM

- Long (LONG)

SCREW PACK

- TB*, Wood & Machine Screw (TBWMS)
*Specify door thickness if other than 1-3/4".

INSTALLATION ACCESSORIES

- Plate, 4820-18
- Plate, 4820-18G
- Door Position Switch Kit, 4820-3377 LH
- Door Position Switch Kit, 4820-3377 RH

SPECIAL TEMPLATE

- ST-_____